

July 10, 2015

Via Electronic Mail

Mr. Ellis Koch
Consulting Director
Posillico Consulting
1750 New Highway
Farmingdale, NY 11735

**RE: MIGRATION OF LEAD TO GROUNDWATER EVALUATION,
GLEN COVE WATERFRONT REDEVELOPMENT PROJECT**

Dear Mr. Koch:

On May 15, 2015 RXR Glen Isle Partners, LLC (RXR) contracted Ramboll Environ to review the data collected for the Garvies Point redevelopment project, Glen Cove, NY (Site) for the purpose of assisting RXR and the City of Glen Cove in responding to the NYSDEC and USEPA (Agencies) request to conduct additional SPLP analyses, and to perform an evaluation that meets the Agencies' objective of identifying areas where the management of soil is warranted to ensure that lead migration to groundwater will not pose an unacceptable risk to human health or the environment after the Site is redeveloped.

RXR requested that Ramboll Environ:

1. Determine if the existing site data would be adequate to support the evaluation;
2. Calculate a site-specific K_d for lead using the site-specific SPLP data in accordance with NJDEP's 2013 guidance as recommended by the Agencies; and
3. Utilize the site-specific K_d in conjunction with NYSDEC and USEPA guidance in order to calculate a soil migration to groundwater screening level for lead that could be used to support the evaluation.

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This letter summarizes the evaluation Ramboll Environ performed to identify areas at the Site where the management of lead in soil may be warranted to ensure that lead migration to groundwater does not pose an unacceptable risk to human health or the environment after the Site is redeveloped.

In summary, the evaluation involved derivation of a site-specific partition coefficient (K_d) for lead using the leachate test data that have been collected at the site and using this K_d to derive a soil migration to groundwater screening level, based on the lead water quality standard for Class GA groundwater and NYSDEC's default DAF. The screening level was then used to identify lead concentrations at the site that exceed the screening level, and thus, may warrant consideration for management.

Derivation of the screening level and the results from comparison to the lead soil data are discussed below and summarized in the attached tables and figures. Since the screening analysis is designed to be conservative, the soil screening results were compared with recent lead groundwater monitoring data to assess consistency in predicted versus actual lead leaching impacts. This assessment is also discussed below.

Ramboll Environ reviewed the existing lead data collected from the site (i.e., soil, SPLP, and groundwater) and concluded that these data are adequate to support the evaluation of lead soil migration to groundwater.

SCREENING LEVEL DERIVATION

The soil migration to groundwater screening level was calculated using methodology recommended by USEPA (1996)¹ for developing such screening levels for Superfund sites. Specifically, the soil screening level C_{soil} (mg/kg) was calculated by using the following equation:

$$C_{soil} = C_{gw} \left(K_d + \frac{\theta_w}{\rho_b} \right) \times DAF$$

where C_{gw} is the groundwater standard (mg/L), K_d is the partition coefficient (L/kg), θ_w is the water-filled porosity (L/L), ρ_b is the dry soil bulk density (kg/L), and DAF is the dilution/attenuation factor.

The site-specific lead K_d was estimated from the 20 SPLP analyses that had been performed on soil samples collected from the Captains Cove and Li Tungsten sites. A site-specific K_d was first calculated for each of the 20 pairs of SPLP and total lead data using NJDEP's 2013 guidance² and spreadsheet.

Attachment A presents the details of the site-specific K_d calculations. Because these K_d values span more than an order of magnitude, the lowest value of 440.8 L/kg was conservatively selected for use in deriving the screening level, as recommended by NJDEP's guidance. Use of this K_d is expected to greatly overestimate the potential for lead to leach from soil across most of the site.

The groundwater standard utilized in the derivation was the lead water quality standard of 25 ug/L for Class GA H(WS) water. Per 6 NYCRR Part §701.15, Class GA groundwater is groundwater that can be used as a source of potable water. Use of this groundwater standard is highly conservative because the shallow groundwater at and downgradient of the site is not used, and not expected to be used, for potable purposes, as noted in USEPA's 2005 *Explanation of Significant Differences for the Li Tungsten Superfund Site*:

"The preference for no action [for groundwater] is based on the sporadic and generally low-level nature of the inorganic contamination; as well as the impacts of saltwater intrusion on the Aquifer and the availability of the City's potable water supply to the affected area, which significantly contribute to the non-use of the contaminated aquifer as a potable water source. Nassau County Public Health Ordinance Article 4,

¹ The United States Environmental Protection Agency (USEPA). 1996. *Soil Screening Guidance: User's Guide*. Office of Solid Waste and Emergency Response. 9355.4-23. July.

² New Jersey Department of Environmental Protection (NJDEP). 2013. *Synthetic Precipitation Leaching Procedure to Develop New Jersey Site-Specific Impact to Ground Water Remediation Standards*, Section IV.B, Option 2, p. 12-13.

which prohibits the installation of new private potable water systems in areas served by a public water supply, should effectively preclude any future potable water well installations in this portion of the aquifer."

The screening level was calculated using a DAF of 100, consistent with the assumptions NYSDEC uses to derive its soil cleanup objectives (NYSDEC 2006³, Section 7.5). The values of θ_w and ρ_b used in the calculation (0.15 and 1.5 kg/L, respectively) are the default values recommended by USEPA (1996)⁴.

Using the values discussed above, the lead migration to groundwater screening level is 1,100 mg/kg. **Attachment B** shows the calculation of this screening level⁵.

COMPARISON TO SOIL DATA

The lead soil data from the vadose zone at the site were compared to the screening level on a sample-by-sample basis. The data included in the comparison and the results of the comparison are presented in Table C.1 and Figure C.1 in **Attachment C**. As shown in Table C.1, 8 locations at the site have at least one lead concentration exceeding the screening level. At half of these locations, the concentrations exceeding the screening level are underlain by vadose zone soil with lead concentrations that do not exceed the screening level. Specifically, only 4 of these 8 locations (CC-C-029, CC-C-030, CC-GI-007, and LT-C-094) have a lead concentration above the screening level in their deepest samples above the water table, indicating that the other 4 locations do not have a soil concentration profile with the potential to cause shallow groundwater under the site to exceed the Class GA groundwater standard for lead. Figure C.2 shows these locations.

ADDITIONAL CONSIDERATIONS

The above screening results were compared to the recent lead groundwater data in **Attachment D**, to assess the degree of consistency between screening results and actual impacts on groundwater. As shown on the **Attachment D** figure⁶, dissolved-phase lead groundwater concentrations⁷ did not exceed the Class GA standard of 25 ug/L at any location. This difference between predicted and actual impacts on groundwater suggests that the screening level is overestimating lead migration from soil at the site likely because the estimated K_d of 440 L/kg used in its derivation is significantly lower than the other 19 estimated values. For example, based on the SPLP results for samples collected from LT-C-094 and locations in very close proximity (i.e., LT-C-095, LPC-GD-WW2), the estimated K_d values range from 1,844 L/kg to 240,796 L/kg. Screening levels calculated using these K_d values would be approximately 4 to 550 times higher than the screening level used in this evaluation.

³ New York State Department of Environmental Conservation (NYSDEC). 2006. *New York State Brownfield Cleanup Program Development of Soil Cleanup Objectives Technical Support Document*. September.

⁴ The United States Environmental Protection Agency (USEPA). 1996. *Soil Screening Guidance: User's Guide*. Office of Solid Waste and Emergency Response. 9355.4-23. July.

⁵ This screening level differs from NJDEP's soil remediation standard of 44 mg/kg derived under Option 2 because NJDEP used a groundwater quality criterion (GWQC) of 5 ug/L with a DAF of 20. As shown on Attachment A, multiplying the DAF by the GWQC gives a leachate criterion of 100 ug/L. Multiplying this adjusted leachate criterion by ($K_d + \theta_w/\rho_b$) gives 44 mg/kg.

⁶ P.W. Grosser Consulting (PWGC). 2015. *Arsenic and Lead Groundwater Report – Garvies' Point Road Redevelopment Project*. February.

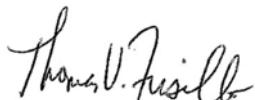
⁷ Dissolved-phase concentrations are more appropriate than total concentrations for assessing consistency with migration to groundwater screening results because the screening analysis provides conservative estimates of potential impact on dissolved-phase rather than total groundwater concentrations.

SUMMARY OF FINDINGS

An lead migration to groundwater soil screening level of 1,100 mg/kg was calculated using the most conservative K_d estimated from the 20 SPLP analyses performed at the site, the lead water quality standard of 25 ug/L for Class GA H(WS) water, and a generic DAF of 100 consistent with the assumptions NYSDEC uses to derive its soil cleanup objectives. Four boring locations at the site have soil lead concentrations in the deepest sample that exceed this screening level. The soil lead concentrations at these locations (CC-C-029, CC-C-030, CC-GI-007, and LT-C-094) exceed the migration to groundwater screening level, but the groundwater monitoring data in the vicinity of these locations show no evidence of soil leaching impact, suggesting that the screening level overestimates actual lead leaching from soil at the site (which is consistent with the conservative nature of the screening level's derivation, including the use of the lowest among 20 site-specific K_d estimates from soil across the site). Taken together, the migration to groundwater analysis and the groundwater data provide a high degree of confidence that lead concentrations in soil at the site are sufficiently low to not warrant management to prevent impacts on groundwater. If it is desirable nevertheless to have additional assurance that lead will not impact groundwater, the site redevelopment plans for the area around these locations (CC-C-029, CC-C-030, CC-GI-007, and LT-C-094) could incorporate provisions to reduce infiltration.

We would be happy to discuss with you, the project team, USEPA, and/or NYSDEC should there be any questions regarding our evaluation.

Sincerely,



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Attachments

cc: Jay Jaffe, Greenbaum, Rowe, Smith & Davis LLP
Thomas Graham, RXR Glen Isle Partners, LLC
Steve Song, Ramboll Environ

ATTACHMENT A
SITE-SPECIFIC K_d CALCULATIONS

Case name/area of concern:
Case number:
Sampling date:

CALCULATE SITE SPECIFIC IGW STANDARD

Reset Spreadsheet

Print Results

Instructions

CLICK HERE if chemical is not on drop-down list, or to enter alternate GWQC

Print to file

Exit

Contaminant:

Lead (total)

NOTE:

CAS No:	7439-92-1
Water solubility (mg/L)	NA
Aqueous reporting limit (µg/L):	5.00E+00
Soil reporting limit (mg/kg):	1.00E+00
Health-based GWQC (µg/L)	5.00E+00
DAF (13, or site-specific if approved):	20
Leachate Criterion (µg/L):	1.00E+02
Henry's law constant (dimensionless):	0.00E+00

USE ONE PAGE PER CONTAMINANT, do not leave empty rows between samples

Do not enter samples with soil concentrations at or below the reporting limit

When leachate concentration is non-detect, enter the aqueous reporting limit

Enter site-specific dilution-attenuation factor (DAF) if desired

Data entry cells (do not skip rows)

Optional data entry

Calculated or locked cells

Indicates that Alternative Remediation Standard needs to be recalculated

Sample ID	Soil sample weight (kg)	Leachate Volume (L)	Total Soil Concentration (mg/kg)	SPLP Leachate Concentration (µg/L)	Final pH of Leachate	Optional data			Kd (L/kg)	% Contaminant in Leachate	Field leachate concentration (µg/L)	Pass or fail?	
						Sampling Depth (ft)	Soil Type	Organic Carbon (mg/kg)	Organic Carbon (%)				
460-92762-11	0.10002	2	1150	4.6						249980.0	0.01	4.6	PASS
460-92930-49	0.10003	2	1180	4.9						240796.3	0.01	4.9	PASS
460-92570-15	0.10011	2	537	5.6						95872.9	0.02	5.6	PASS
460-92930-28	0.10005	2	1210	6.1						198340.7	0.01	6.1	PASS
460-92762-12	0.10001	2	619	9.3						66539.1	0.03	9.3	PASS
460-92930-27 (Re-Run)	0.10008	2	876	18.9						46329.2	0.04	18.9	PASS
460-92669-4	0.10008	2	513	23.2						22092.1	0.09	23.2	PASS
460-92669-4 (Re-Run)	0.10004	2	26.9	23.2						1139.5	1.72	23.6	PASS
460-92930-49 (Re-Run)	0.10006	2	988	24.6						40142.6	0.05	24.6	PASS
460-92570-19	0.10005	2	428	33.4						12794.4	0.16	33.5	PASS
460-92762-23 (Re-Run)	0.10003	2	375	45.2						8276.5	0.24	45.3	PASS
460-92665-5	0.10007	2	161	45.7						3503.0	0.57	46.0	PASS
460-92762-23	0.10009	2	637	52.4						12136.5	0.16	52.5	PASS
460-92570-25	0.10006	2	258	64.5						3980.0	0.50	64.8	PASS
460-92930-27	0.10008	2	919	71.5						12833.2	0.16	71.6	PASS
460-92930-28 (Re-Run)	0.10001	2	867	92.8						9322.7	0.21	93.0	PASS
460-92665-18	0.10003	2	368	120						3046.7	0.65	120.8	FAIL
460-92930-26	0.10006	2	365	149						2429.7	0.82	150.2	FAIL
460-92570-42	0.10001	2	649	348						1844.9	1.07	351.7	FAIL
460-92930-26 (Re-Run)	0.10009	2	247	536						440.8	4.34	560.1	FAIL

SPLP RESULTS for**OPTION 1a:** All adjusted leachate concentrations are below the leachate criterion

OPTION 1a NOT VALID

OPTION 1b: Simple inspection of tabulated results to find highest acceptable standard**REMEDIATION STANDARD = 161 mg/kg****OPTION 2:** Remediation standard using site-specific Kd value

Kd ratio = 567.06, USE MINIMUM Kd

Kd USED FOR CALCULATING STANDARD = 440.84 L/kg

result before rounding = 44.0992 mg/kg

REMEDIATION STANDARD = 44 mg/kg**OPTION 3:** Remediation standard using linear regression

Number of points = 18

(points were eliminated because leachate concentrations were not above the aqueous reporting limit)

Soil concentration midrange = 618.45

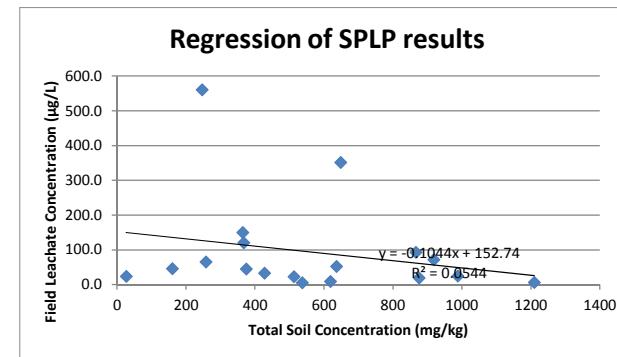
Number of points above midrange = 8

Enough points above midrange? NO

R-Square high enough? NO

Leachate criterion within range of leachate concentrations? YES

OPTION 3 NOT VALID



ATTACHMENT B
CALCULATION OF SOIL MTGW SCREENING LEVEL

Soil Impact to Groundwater Calculations Garvies' Point Redevelopment Project, Glen Cove, NY									
Chem Group	Chemical	CASRN	K _d (L/kg)	R _L (unitless)	R _L /ρ _b (L/kg)	C _w (mg/L)	Basis	C _w · DAF (mg/L)	C _T (mg/kg)
INORG	Lead	7439-92-1	4.4E+02	6.6E+02	4.4E+02	2.5E-02	NYSDEC GA H(WS)	2.5E+00	1.10E+03
Notes:	Soil bulk density	kg/L	ρ _b	1.50	USEPA Default (1996 SSG)				
	Soil particle density	kg/L	ρ _s	2.63	USEPA Default (1996 SSG)				
	Soil porosity	L/L-soil	n	0.43					
	Soil water content	L/L-soil	θ _w	0.15	USEPA Default (1996 SSG)				
	Soil air-filled porosity	L/L-soil	θ _a	0.28					
	Dilution factor	unitless	DAF	100.0	NYSDEC Default (2006 SCO TSD)				
	C _w - Groundwater Target Concentration								
	C _T - Proposed soil impact to groundwater screening level.								

ATTACHMENT C
SCREENING EVALUATION RESULTS

Legend

- Approximate LI Tungsten Facility Boundary
- Approximate Captains Cove Boundary
- Sampling Locations

Detected Lead Concentration

- Above MTGW SSL



Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

RAMBOLL ENVIRON

DRAFTED BY: ECL

DATE: 7/9/2015

LEAD MIGRATION TO GROUNDWATER ANALYSIS SOIL (ALL SAMPLES ABOVE WATER TABLE) GLEN COVE WATERFRONT REDEVELOPMENT PROJECT

GLEN COVE, NY

FIGURE
C.1

02-38368A

Legend

- Approximate LI Tungsten Facility Boundary
- Approximate Captains Cove Boundary
- Sampling Locations

Detected Lead Concentration

- Above MTGW SSL



RAMBOLL ENVIRON

DRAFTED BY: ECL

DATE: 7/9/2015

LEAD MIGRATION TO GROUNDWATER ANALYSIS SOIL (DEEPEST SAMPLE ABOVE WATER TABLE)

GLEN COVE WATERFRONT REDEVELOPMENT PROJECT

GLEN COVE, NY

FIGURE
C.2

02-38368A

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
AC-GI-001	0	2	2/25/2014	180		1.6E-01
AC-GI-001	4	6	2/25/2014	6.1		5.5E-03
AC-GI-002	0	2	2/25/2014	88.8		8.1E-02
AC-GI-002	4	6	2/25/2014	8.5		7.7E-03
CC-C-001	0	2	2/11/2014	151		1.4E-01
CC-C-001	2	4	2/11/2014	217		2.0E-01
CC-C-001	10	12	2/11/2014	53.3		4.8E-02
CC-C-002	0	2	2/11/2014	230		2.1E-01
CC-C-002	4	6	2/11/2014	428		3.9E-01
CC-C-002	6	8	2/11/2014	123		1.1E-01
CC-C-002	6	8	2/11/2014	71.2		6.5E-02
CC-C-003	0	2	2/11/2014	37.8		3.4E-02
CC-C-003	4	6	2/11/2014	353		3.2E-01
CC-C-003	6	8	2/11/2014	362		3.3E-01
CC-C-004	0	2	2/11/2014	31.7		2.9E-02
CC-C-004	0	2	4/1/2015	40.1		3.6E-02
CC-C-004	2	4	4/1/2015	20.1		1.8E-02
CC-C-004	4	6	4/1/2015	302		2.7E-01
CC-C-005	0	2	2/11/2014	6.3		5.7E-03
CC-C-005	2	4	2/11/2014	15.7		1.4E-02
CC-C-005	10	12	2/11/2014	93.3		8.5E-02
CC-C-006	0	2	2/11/2014	172		1.6E-01
CC-C-006	4	6	2/11/2014	60.7		5.5E-02
CC-C-006	8	10	2/11/2014	80.4		7.3E-02
CC-C-007	0	2	2/11/2014	239		2.2E-01
CC-C-007	4	6	2/11/2014	159		1.4E-01
CC-C-007	6	8	2/11/2014	94.9		8.6E-02
CC-C-008	0	2	2/11/2014	53		4.8E-02
CC-C-008	4	6	2/11/2014	274		2.5E-01
CC-C-008	4	6	2/11/2014	32.2		2.9E-02
CC-C-008	6	8	2/11/2014	726		6.6E-01
CC-C-009	0	2	2/11/2014	38.8		3.5E-02
CC-C-009	4	6	2/11/2014	278		2.5E-01
CC-C-009	6	8	2/11/2014	354		3.2E-01
CC-C-010	0	2	2/11/2014	216		2.0E-01
CC-C-010	4	6	2/11/2014	226		2.1E-01
CC-C-010	8	10	2/11/2014	308		2.8E-01
CC-C-011	0	2	2/11/2014	39.6		3.6E-02
CC-C-011	4	6	2/11/2014	225		2.0E-01
CC-C-011	6	8	2/11/2014	280		2.5E-01

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
CC-C-012	0	2	2/11/2014	118		1.1E-01
CC-C-012	4	6	2/11/2014	338		3.1E-01
CC-C-012	6	8	2/11/2014	138		1.3E-01
CC-C-013	0	2	2/12/2014	86.3		7.8E-02
CC-C-013	2	4	2/12/2014	89.8		8.2E-02
CC-C-013	10	12	2/12/2014	617		5.6E-01
CC-C-014	0	2	2/12/2014	2.4	J	2.2E-03
CC-C-014	4	6	2/12/2014	260		2.4E-01
CC-C-014	6	8	2/12/2014	453		4.1E-01
CC-C-015	0	2	2/12/2014	42.4		3.9E-02
CC-C-015	4	6	2/12/2014	162		1.5E-01
CC-C-015	6	8	2/12/2014	36		3.3E-02
CC-C-016	0	2	2/12/2014	31		2.8E-02
CC-C-016	0	2	4/1/2015	45.3		4.1E-02
CC-C-016	2	4	4/1/2015	26.1		2.4E-02
CC-C-016	4	6	2/12/2014	73.1		6.6E-02
CC-C-016	4	6	4/1/2015	130		1.2E-01
CC-C-016	6	8	2/12/2014	307		2.8E-01
CC-C-016	6	8	4/1/2015	82.2		7.5E-02
CC-C-016	8	10	4/1/2015	225		2.0E-01
CC-C-016	10	12	4/1/2015	153		1.4E-01
CC-C-017	0	2	2/12/2014	127		1.2E-01
CC-C-017	0	2	2/12/2014	194		1.8E-01
CC-C-017	0	2	4/1/2015	537		4.9E-01
CC-C-017	2	4	4/1/2015	4.8		4.4E-03
CC-C-017	4	6	2/12/2014	320		2.9E-01
CC-C-017	4	6	4/1/2015	349		3.2E-01
CC-C-017	6	8	2/12/2014	187		1.7E-01
CC-C-017	6	8	4/1/2015	296		2.7E-01
CC-C-017	8	10	4/1/2015	428		3.9E-01
CC-C-017	10	12	4/1/2015	18.1		1.6E-02
CC-C-017	12	14	4/1/2015	32.4		2.9E-02
CC-C-017	14	16	4/1/2015	3.7		3.4E-03
CC-C-017	16	18	4/1/2015	3.2		2.9E-03
CC-C-018	0	2	2/12/2014	72.5		6.6E-02
CC-C-018	4	6	2/12/2014	414		3.8E-01
CC-C-018	10	12	2/12/2014	41.5		3.8E-02
CC-C-019	0	2	2/12/2014	772		7.0E-01
CC-C-019	0	2	1/9/2015	473		4.3E-01
CC-C-019	4	6	2/12/2014	274		2.5E-01

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
CC-C-019	6	8	2/12/2014	300		2.7E-01
CC-C-020	0	2	2/12/2014	23.5		2.1E-02
CC-C-020	4	6	2/12/2014	339		3.1E-01
CC-C-020	8	10	2/12/2014	12.2		1.1E-02
CC-C-021	0	2	2/12/2014	61.7		5.6E-02
CC-C-021	2	4	2/12/2014	75		6.8E-02
CC-C-021	8	10	2/12/2014	97.9		8.9E-02
CC-C-022	0	2	2/12/2014	212		1.9E-01
CC-C-022	0	2	1/9/2015	371		3.4E-01
CC-C-022	2	4	2/12/2014	398		3.6E-01
CC-C-022	6	8	2/12/2014	194		1.8E-01
CC-C-023	0	2	2/12/2014	90.8		8.3E-02
CC-C-023	0	2	4/1/2015	32.3		2.9E-02
CC-C-023	2	4	4/1/2015	258		2.3E-01
CC-C-023	4	6	2/12/2014	436		4.0E-01
CC-C-023	4	6	4/1/2015	325		3.0E-01
CC-C-023	6	8	2/12/2014	6030		5.5E+00
CC-C-023	6	8	1/9/2015	215		2.0E-01
CC-C-023	6	8	1/15/2015	267		2.4E-01
CC-C-023	6	8	4/1/2015	384		3.5E-01
CC-C-023	8	10	4/1/2015	140		1.3E-01
CC-C-024	0	2	2/12/2014	28.9		2.6E-02
CC-C-024	4	6	2/12/2014	158		1.4E-01
CC-C-024	8	10	2/12/2014	10.1		9.2E-03
CC-C-025	0	2	2/12/2014	30.4		2.8E-02
CC-C-025	2	4	2/12/2014	277		2.5E-01
CC-C-025	6	8	2/12/2014	258		2.3E-01
CC-C-026	0	2	2/12/2014	31.9		2.9E-02
CC-C-026	4	6	2/12/2014	291		2.6E-01
CC-C-026	8	10	2/12/2014	6.8		6.2E-03
CC-C-027	0	2	2/14/2014	149		1.4E-01
CC-C-027	0	2	2/14/2014	99.4		9.0E-02
CC-C-027	2	4	2/14/2014	54.9		5.0E-02
CC-C-027	6	8	2/14/2014	150		1.4E-01
CC-C-028	0	2	2/14/2014	696		6.3E-01
CC-C-028	4	6	2/14/2014	389		3.5E-01
CC-C-028	6	8	2/14/2014	285		2.6E-01
CC-C-029	0	2	2/19/2014	102		9.3E-02
CC-C-029	2	4	2/19/2014	169		1.5E-01
CC-C-029	8	10	1/9/2015	141		1.3E-01

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
CC-C-029	8	10	1/15/2015	416		3.8E-01
CC-C-029	8	10	2/19/2014	1180		1.1E+00
CC-C-030	0	2	2/14/2014	43.9		4.0E-02
CC-C-030	0	2	4/1/2015	38.5		3.5E-02
CC-C-030	2	4	2/14/2014	68.7		6.2E-02
CC-C-030	2	4	4/1/2015	75.2		6.8E-02
CC-C-030	4	6	4/1/2015	229		2.1E-01
CC-C-030	6	8	4/1/2015	79.2		7.2E-02
CC-C-030	8	8	1/15/2015	8620		7.8E+00
CC-C-030	8	10	1/9/2015	175		1.6E-01
CC-C-030	8	10	2/14/2014	983		8.9E-01
CC-C-030	8	10	4/1/2015	1210		1.1E+00
CC-C-030	10	10	1/15/2015	19900		1.8E+01
CC-C-031	0	2	2/14/2014	38.9		3.5E-02
CC-C-031	4	6	2/14/2014	187		1.7E-01
CC-C-031	4	6	2/14/2014	68.3		6.2E-02
CC-C-031	6	8	2/14/2014	23.1		2.1E-02
CC-C-032	0	2	2/14/2014	72.5		6.6E-02
CC-C-032	4	6	2/14/2014	140		1.3E-01
CC-C-032	6	8	2/14/2014	16		1.5E-02
CC-C-033	0	2	2/14/2014	43.5		4.0E-02
CC-C-033	2	4	2/14/2014	68.8		6.3E-02
CC-C-033	8	10	2/14/2014	23.7		2.2E-02
CC-C-034	0	2	2/14/2014	61.9		5.6E-02
CC-C-034	0	2	2/14/2014	45.9		4.2E-02
CC-C-034	2	4	2/14/2014	60.3		5.5E-02
CC-C-034	8	10	2/14/2014	48.5		4.4E-02
CC-C-035	0	2	2/14/2014	51.7		4.7E-02
CC-C-035	2	4	2/14/2014	120		1.1E-01
CC-C-035	8	10	2/14/2014	5.7	J	5.2E-03
CC-C-036	0	2	2/14/2014	27.8		2.5E-02
CC-C-036	0	2	4/1/2015	13.5		1.2E-02
CC-C-036	2	4	2/14/2014	167		1.5E-01
CC-C-036	2	4	4/1/2015	128		1.2E-01
CC-C-036	2	4	4/1/2015	103		9.4E-02
CC-C-036	4	6	4/1/2015	220		2.0E-01
CC-C-036	6	8	2/14/2014	67.6		6.1E-02
CC-C-036	6	8	4/1/2015	87.6		8.0E-02
CC-C-036	8	10	4/1/2015	3.9		3.5E-03
CC-C-036	10	12	4/1/2015	226		2.1E-01

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
CC-C-036	12	14	4/1/2015	28.7		2.6E-02
CC-C-037	0	2	2/14/2014	3.6	J	3.3E-03
CC-C-037	4	6	2/14/2014	23.2		2.1E-02
CC-C-037	8	10	2/14/2014	104		9.5E-02
CC-C-038	0	2	2/17/2014	94.8		8.6E-02
CC-C-038	4	6	2/17/2014	101		9.2E-02
CC-C-038	8	10	2/17/2014	3.5	J	3.2E-03
CC-C-039	0	2	2/17/2014	124		1.1E-01
CC-C-039	2	4	2/17/2014	106		9.6E-02
CC-C-039	6	8	2/17/2014	1.5	J	1.4E-03
CC-C-040	0	2	2/17/2014	492		4.5E-01
CC-C-040	0	2	4/1/2015	346		3.1E-01
CC-C-040	2	4	4/1/2015	158		1.4E-01
CC-C-040	4	6	2/17/2014	153		1.4E-01
CC-C-040	4	6	4/1/2015	225		2.0E-01
CC-C-040	6	8	4/1/2015	95.5		8.7E-02
CC-C-040	8	10	2/17/2014	141		1.3E-01
CC-C-040	8	10	4/1/2015	161		1.5E-01
CC-C-040	10	12	4/1/2015	4.9		4.5E-03
CC-C-040	10	12	4/2/2015	3		2.7E-03
CC-C-041	0	2	2/19/2014	270		2.5E-01
CC-C-041	2	4	2/19/2014	106		9.6E-02
CC-C-041	8	10	2/19/2014	32.5		3.0E-02
CC-C-042	0	2	2/20/2014	133		1.2E-01
CC-C-042	0	2	2/20/2014	242		2.2E-01
CC-C-042	0	2	4/1/2015	96.9		8.8E-02
CC-C-042	2	4	2/20/2014	323		2.9E-01
CC-C-042	2	4	4/1/2015	368		3.3E-01
CC-C-042	4	6	4/1/2015	20.6		1.9E-02
CC-C-042	6	8	4/1/2015	1.1	J	1.0E-03
CC-C-042	8	10	2/20/2014	1.7	J	1.5E-03
CC-C-042	8	10	4/1/2015	5.1		4.6E-03
CC-C-043	0	2	2/20/2014	76.7		7.0E-02
CC-C-043	2	4	2/20/2014	50.5		4.6E-02
CC-C-043	6	8	2/20/2014	104		9.5E-02
CC-C-044	0	2	2/20/2014	87.5		8.0E-02
CC-C-044	0	2	4/1/2015	116		1.1E-01
CC-C-044	2	4	4/1/2015	42.5		3.9E-02
CC-C-044	4	6	2/20/2014	2.4	J	2.2E-03
CC-C-044	4	6	4/1/2015	52.3		4.8E-02

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
CC-C-044	6	8	4/1/2015	2.6		2.4E-03
CC-C-044	8	10	2/20/2014	1.8	J	1.6E-03
CC-C-044	8	10	4/1/2015	2		1.8E-03
CC-C-045	0	2	2/20/2014	81.6		7.4E-02
CC-C-045	4	6	2/20/2014	87		7.9E-02
CC-C-045	8	10	2/20/2014	58.3		5.3E-02
CC-C-046	0	2	2/20/2014	123		1.1E-01
CC-C-046	4	6	2/20/2014	94.7		8.6E-02
CC-C-046	8	10	2/20/2014	80.4		7.3E-02
CC-C-047	0	2	2/20/2014	97.3		8.8E-02
CC-C-047	2	4	2/20/2014	150		1.4E-01
CC-C-047	8	10	2/20/2014	88.7		8.1E-02
CC-C-048	0	2	2/21/2014	17.3		1.6E-02
CC-C-048	4	6	2/21/2014	90.9		8.3E-02
CC-C-048	8	10	2/21/2014	699		6.4E-01
CC-C-049	0	2	2/21/2014	144		1.3E-01
CC-C-049	2	4	2/21/2014	130		1.2E-01
CC-C-049	8	10	2/21/2014	25.5		2.3E-02
CC-C-050	0	2	2/21/2014	48.7		4.4E-02
CC-C-050	2	4	2/21/2014	19.8		1.8E-02
CC-C-050	8	10	2/21/2014	53.6		4.9E-02
CC-C-050	8	10	2/21/2014	37.5		3.4E-02
CC-C-051	0	2	2/21/2014	82.2		7.5E-02
CC-C-051	2	4	2/21/2014	165		1.5E-01
CC-C-051	8	10	2/21/2014	84.3		7.7E-02
CC-C-052	0	2	2/21/2014	31.5		2.9E-02
CC-C-052	2	4	2/21/2014	41.2		3.7E-02
CC-C-052	8	10	2/21/2014	57.1		5.2E-02
CC-GI-001	0	2	2/25/2014	173		1.6E-01
CC-GI-001	2	4	2/25/2014	606		5.5E-01
CC-GI-002	0	2	2/25/2014	162		1.5E-01
CC-GI-002	2	4	2/25/2014	195		1.8E-01
CC-GI-003	0	2	4/21/2015	23.9		2.2E-02
CC-GI-003	2	4	4/21/2015	327		3.0E-01
CC-GI-003	4	6	4/21/2015	342		3.1E-01
CC-GI-003	6	8	4/21/2015	131		1.2E-01
CC-GI-003	8	10	4/21/2015	38.3		3.5E-02
CC-GI-004	0	2	4/21/2015	54.6		5.0E-02
CC-GI-004	2	4	4/21/2015	617		5.6E-01
CC-GI-004	4	6	4/21/2015	272		2.5E-01

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
CC-GI-004	6	8	4/21/2015	152		1.4E-01
CC-GI-004	6	8	4/21/2015	282		2.6E-01
CC-GI-005	0	2	4/21/2015	91.6		8.3E-02
CC-GI-005	2	4	4/21/2015	347		3.2E-01
CC-GI-005	4	6	4/21/2015	20.1		1.8E-02
CC-GI-005	6	8	4/21/2015	107		9.7E-02
CC-GI-005	8	10	4/21/2015	32.1		2.9E-02
CC-GI-005	10	12	4/21/2015	7.4		6.7E-03
CC-GI-005	12	14	4/21/2015	4.8		4.4E-03
CC-GI-006	0	2	4/21/2015	114		1.0E-01
CC-GI-006	2	4	4/21/2015	738		6.7E-01
CC-GI-006	4	6	4/21/2015	224		2.0E-01
CC-GI-006	6	8	4/21/2015	164		1.5E-01
CC-GI-006	8	10	4/21/2015	234		2.1E-01
CC-GI-007	0	2	4/22/2015	159		1.4E-01
CC-GI-007	2	4	4/22/2015	741		6.7E-01
CC-GI-007	4	6	4/22/2015	717		6.5E-01
CC-GI-007	6	8	4/22/2015	1800		1.6E+00
CC-GI-008	0	2	4/22/2015	270		2.5E-01
CC-GI-008	0	2	4/22/2015	122		1.1E-01
CC-GI-008	2	4	4/22/2015	129		1.2E-01
CC-GI-008	4	6	4/22/2015	74.1		6.7E-02
CC-GI-008	6	8	4/22/2015	6.4		5.8E-03
CC-GI-009	0	2	4/22/2015	98.8		9.0E-02
CC-GI-009	2	4	4/22/2015	137	F1	1.2E-01
CC-GI-009	4	6	4/22/2015	82.1		7.5E-02
CC-GTBH-001	0	2	3/4/2014	137		1.2E-01
CC-GTBH-001	4	6	3/4/2014	49.1		4.5E-02
CC-GTBH-001	8	10	3/4/2014	213		1.9E-01
CC-GTBH-002	0	2	3/4/2014	158		1.4E-01
CC-GTBH-002	4	6	3/4/2014	316		2.9E-01
CC-GTBH-002	6	8	3/4/2014	127		1.2E-01
CC-GTBH-002	6	8	3/4/2014	94.8		8.6E-02
CC-GTBH-003	0	2	3/4/2014	88		8.0E-02
CC-GTBH-003	4	6	3/4/2014	109		9.9E-02
CC-GTBH-003	6	8	3/4/2014	136		1.2E-01
CC-GTBH-004	0	2	3/4/2014	17.1		1.6E-02
CC-GTBH-004	4	6	3/4/2014	2.4	J	2.2E-03
CC-GTBH-004	6	8	3/4/2014	225		2.0E-01
D2_A	0	2	4/1/2015	43		3.9E-02

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
D2_A	2	4	4/1/2015	51.6		4.7E-02
D2_A	4	6	4/1/2015	159		1.4E-01
D2_A	6	8	4/1/2015	215		2.0E-01
D2_A	8	10	4/1/2015	649		5.9E-01
D2_A	10	12	4/1/2015	302		2.7E-01
D2_A	12	14	4/1/2015	15.6		1.4E-02
EP001			10/1/2014	14.5		1.3E-02
EP002			10/1/2014	64.9		5.9E-02
EP002			10/1/2014	59.3		5.4E-02
EP003			10/1/2014	5		4.5E-03
EP004			10/1/2014	1.7	U	1.5E-03
EP005			10/1/2014	4.3		3.9E-03
EP006			10/1/2014	3.35	U	3.0E-03
EP007			10/1/2014	18.3		1.7E-02
EP008			10/1/2014	22.5		2.0E-02
EP009			10/9/2014	111		1.0E-01
EP010			10/9/2014	54.6		5.0E-02
EP011			10/9/2014	47.4		4.3E-02
EP012			10/9/2014	4.1	J	3.7E-03
EP014			10/9/2014	7.2	J	6.5E-03
EP015			10/9/2014	63.3		5.8E-02
EP016			10/9/2014	3.4		3.1E-03
EP017			10/9/2014	17.8		1.6E-02
EP018			10/10/2014	1.9		1.7E-03
EP019			10/10/2014	25.9		2.4E-02
EP020			10/10/2014	14.2		1.3E-02
EP021			2/18/2015	2	J	1.8E-03
EP021			2/18/2015	2.2	J	2.0E-03
EP022			2/18/2015	19.9		1.8E-02
EP023			2/18/2015	22		2.0E-02
EP024			2/18/2015	28.7		2.6E-02
EP025			2/18/2015	9.4		8.5E-03
EP026			2/19/2015	8.4		7.6E-03
EP027			2/19/2015	60.3		5.5E-02
EP028			2/19/2015	11.7		1.1E-02
EP029			2/23/2015	39.9		3.6E-02
EP030			2/23/2015	22.2		2.0E-02
EP031			2/23/2015	4	J	3.6E-03
EP032			4/22/2015	8.9		8.1E-03
EP033			4/22/2015	31.5		2.9E-02

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
EP034			4/22/2015	342		3.1E-01
EP035			4/22/2015	17.6		1.6E-02
EP036			4/22/2015	71.9		6.5E-02
EP037			4/22/2015	9.1		8.3E-03
EP038			4/22/2015	4		3.6E-03
EP039			4/22/2015	20		1.8E-02
EP040			4/22/2015	43.4		3.9E-02
EP041			4/22/2015	53		4.8E-02
EP042			4/22/2015	39		3.5E-02
GL-GI-001	0	2	1/30/2014	110		1.0E-01
GL-GI-001	4	6	1/30/2014	13.9		1.3E-02
GL-GI-001	8	10	1/30/2014	3	J	2.7E-03
GL-GI-002	0	2	1/30/2014	10.6		9.6E-03
GL-GI-002	4	6	1/30/2014	64.5		5.9E-02
GL-GI-002	8	10	1/30/2014	3.2	J	2.9E-03
LPC-GA-EW5_A	0	2	4/3/2015	80.2		7.3E-02
LPC-GA-EW5_A	2	4	4/3/2015	7.7		7.0E-03
LPC-GA-EW5_A	4	6	4/3/2015	6.1		5.5E-03
LPC-GA-EW5_A	6	8	4/3/2015	5.5		5.0E-03
LPC-GA-EW5_A	8	10	4/3/2015	71.9		6.5E-02
LPC-GA-EW5_A	10	12	4/3/2015	82.8		7.5E-02
LPC-GA-EW6_A	0	2	4/3/2015	45.9		4.2E-02
LPC-GA-EW6_A	2	4	4/3/2015	38.2		3.5E-02
LPC-GA-EW6_A	2	4	4/3/2015	42.4		3.9E-02
LPC-GA-EW6_A	4	6	4/3/2015	32.5		3.0E-02
LPC-GA-EW6_A	6	8	4/3/2015	26.1		2.4E-02
LPC-GA-EW6_A	8	10	4/3/2015	131		1.2E-01
LPC-GA-F1_A	0	2	4/3/2015	25		2.3E-02
LPC-GA-F1_A	2	4	4/3/2015	43.9		4.0E-02
LPC-GA-F1_A	4	6	4/3/2015	21.5		2.0E-02
LPC-GA-F1_A	6	8	4/3/2015	15.5		1.4E-02
LPC-GA-F1_A	8	10	4/3/2015	18		1.6E-02
LPC-GA-F2_A	0	2	4/3/2015	49.8		4.5E-02
LPC-GA-F2_A	2	4	4/3/2015	19.4		1.8E-02
LPC-GA-F2_A	4	6	4/3/2015	23.7		2.2E-02
LPC-GA-F2_A	6	8	4/3/2015	110		1.0E-01
LPC-GA-F2_A	6	8	4/3/2015	164		1.5E-01
LPC-GA-F2_A	8	10	4/3/2015	13.8		1.3E-02
LPC-GA-F2_A	10	12	4/3/2015	204		1.9E-01
LPC-GA-F4_A	0	2	4/3/2015	17.2		1.6E-02

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LPC-GA-F4_A	2	4	4/3/2015	6.6		6.0E-03
LPC-GA-F4_A	4	6	4/3/2015	6.9		6.3E-03
LPC-GA-F4_A	6	8	4/3/2015	16.3		1.5E-02
LPC-GA-F4_A	8	10	4/3/2015	85.7		7.8E-02
LPC-GD-WW2_A	0	2	4/7/2015	120		1.1E-01
LPC-GD-WW2_A	2	4	4/7/2015	114	F1	1.0E-01
LPC-GD-WW2_A	4	6	4/7/2015	7.6		6.9E-03
LPC-GD-WW2_A	6	8	4/7/2015	16		1.5E-02
LPC-GD-WW2_A	8	10	4/7/2015	365		3.3E-01
LPC-GD-WW3_A	0	2	4/3/2015	81.9		7.4E-02
LPC-GD-WW3_A	2	4	4/3/2015	124		1.1E-01
LPC-GD-WW3_A	4	6	4/3/2015	41.6		3.8E-02
LPC-GD-WW3_A	6	8	4/3/2015	16.9		1.5E-02
LPC-GD-WW3_A	8	10	4/3/2015	20.2		1.8E-02
LPC-GD-WW5_A	0	2	4/7/2015	39.6		3.6E-02
LPC-GD-WW5_A	2	4	4/7/2015	17.6		1.6E-02
LPC-GD-WW5_A	4	6	4/7/2015	23.9		2.2E-02
LPC-GD-WW5_A	6	8	4/7/2015	33.9		3.1E-02
LPC-GD-WW5_A	6	8	4/7/2015	23.1		2.1E-02
LPC-GD-WW5_A	8	10	4/7/2015	6.9		6.3E-03
LPC-GD-WW5_A	10	12	4/7/2015	5.3		4.8E-03
LT-C-001	0	2	1/13/2014	6.3		5.7E-03
LT-C-001	4	6	1/13/2014	4.1	J	3.7E-03
LT-C-001	6	8	1/13/2014	2.7	J	2.5E-03
LT-C-002	0	2	1/14/2014	7.1		6.5E-03
LT-C-002	2	4	1/14/2014	4.8	J	4.4E-03
LT-C-002	10	12	1/14/2014	3.9	J	3.5E-03
LT-C-003	0	2	1/14/2014	11.1		1.0E-02
LT-C-003	2	4	1/14/2014	9.6		8.7E-03
LT-C-003	6	8	1/14/2014	6.5		5.9E-03
LT-C-004	4	6	1/14/2014	5.1	J	4.6E-03
LT-C-004	6	8	1/14/2014	4.6	J	4.2E-03
LT-C-004	10	12	1/14/2014	7.2		6.5E-03
LT-C-005	0	2	1/14/2014	6.8		6.2E-03
LT-C-005	2	4	1/14/2014	5.6		5.1E-03
LT-C-005	10	12	1/14/2014	1.8	J	1.6E-03
LT-C-006	0	2	1/14/2014	4.4	J	4.0E-03
LT-C-006	2	4	1/14/2014	4.3	J	3.9E-03
LT-C-006	2	4	1/14/2014	2.3	J	2.1E-03
LT-C-006	10	12	1/14/2014	12.6		1.1E-02

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-C-007	0	2	1/14/2014	10.4		9.5E-03
LT-C-007	2	4	1/14/2014	6.3		5.7E-03
LT-C-007	8	10	1/14/2014	27.2		2.5E-02
LT-C-008	0	2	1/14/2014	12.1		1.1E-02
LT-C-008	4	6	1/14/2014	11.5		1.0E-02
LT-C-008	6	8	1/14/2014	7.6		6.9E-03
LT-C-009	0	2	1/14/2014	5.2	J	4.7E-03
LT-C-009	2	4	1/14/2014	8		7.3E-03
LT-C-009	10	12	1/14/2014	2	J	1.8E-03
LT-C-010	0	2	1/15/2014	9		8.2E-03
LT-C-010	2	4	1/15/2014	3	J	2.7E-03
LT-C-010	10	12	1/15/2014	3.4	J	3.1E-03
LT-C-011	0	2	1/15/2014	11.2		1.0E-02
LT-C-011	2	4	1/15/2014	17.1		1.6E-02
LT-C-011	2	4	1/15/2014	11.9		1.1E-02
LT-C-011	10	12	1/15/2014	3.9	J	3.5E-03
LT-C-012	0	2	1/15/2014	36.3		3.3E-02
LT-C-012	4	6	1/15/2014	9.5		8.6E-03
LT-C-012	6	8	1/15/2014	8.1		7.4E-03
LT-C-013	0	2	1/15/2014	6.1		5.5E-03
LT-C-013	4	6	1/15/2014	4.2	J	3.8E-03
LT-C-013	6	8	1/15/2014	3.3	J	3.0E-03
LT-C-014	0	2	1/15/2014	6.4		5.8E-03
LT-C-014	2	4	1/15/2014	5.4	J	4.9E-03
LT-C-014	8	10	1/15/2014	4	J	3.6E-03
LT-C-015	0	2	1/15/2014	6		5.5E-03
LT-C-015	4	6	1/15/2014	4.6	J	4.2E-03
LT-C-015	8	10	1/15/2014	4.4	J	4.0E-03
LT-C-016	0	2	1/16/2014	11.1		1.0E-02
LT-C-016	2	4	1/16/2014	7.3		6.6E-03
LT-C-016	10	12	1/16/2014	2.8	J	2.5E-03
LT-C-017	0	2	1/16/2014	6.2		5.6E-03
LT-C-017	4	6	1/16/2014	3.8	J	3.5E-03
LT-C-017	6	8	1/16/2014	2.8	J	2.5E-03
LT-C-018	0	2	1/17/2014	62.9		5.7E-02
LT-C-018	4	6	1/17/2014	7.8		7.1E-03
LT-C-018	8	10	1/17/2014	12.8		1.2E-02
LT-C-018	8	10	1/17/2014	12.3		1.1E-02
LT-C-019	0	2	1/20/2014	2.1	J	1.9E-03
LT-C-019	4	6	1/20/2014	1.4	J	1.3E-03

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-C-019	10	12	1/20/2014	20.5		1.9E-02
LT-C-020	0	2	1/20/2014	4.2	J	3.8E-03
LT-C-020	2	4	1/20/2014	4	J	3.6E-03
LT-C-020	8	10	1/20/2014	4.2	J	3.8E-03
LT-C-021	0	2	1/20/2014	32.7		3.0E-02
LT-C-021	2	4	1/20/2014	11.7		1.1E-02
LT-C-021	8	10	1/20/2014	3.2	J	2.9E-03
LT-C-022	0	2	1/20/2014	43.6		4.0E-02
LT-C-022	4	6	1/20/2014	2.3	J	2.1E-03
LT-C-022	6	8	1/20/2014	1.4	J	1.3E-03
LT-C-023	0	2	1/20/2014	1.3	J	1.2E-03
LT-C-023	2	4	1/20/2014	1.2	J	1.1E-03
LT-C-023	10	12	1/20/2014	9.2		8.4E-03
LT-C-024	0	2	1/21/2014	46.5		4.2E-02
LT-C-024	0	2	4/2/2015	268		2.4E-01
LT-C-024	2	4	1/21/2014	4480		4.1E+00
LT-C-024	2	4	1/7/2015	7.2		6.5E-03
LT-C-024	2	4	1/15/2015	93.9		8.5E-02
LT-C-024	2	4	4/2/2015	4.7		4.3E-03
LT-C-024	4	6	4/2/2015	8		7.3E-03
LT-C-024	6	8	4/2/2015	5.8		5.3E-03
LT-C-025	0	2	1/21/2014	2.8	J	2.5E-03
LT-C-025	4	6	1/21/2014	4.2	J	3.8E-03
LT-C-025	6	8	1/21/2014	8.3		7.5E-03
LT-C-026	0	2	1/21/2014	115		1.0E-01
LT-C-026	4	6	1/21/2014	74.9		6.8E-02
LT-C-026	4	6	1/21/2014	66.9		6.1E-02
LT-C-026	6	8	1/21/2014	93.8		8.5E-02
LT-C-027	0	2	1/21/2014	20.4		1.9E-02
LT-C-027	4	6	1/21/2014	7.2		6.5E-03
LT-C-027	6	8	1/21/2014	6.3		5.7E-03
LT-C-028	0	2	1/24/2014	7.6		6.9E-03
LT-C-028	4	6	1/24/2014	5.8		5.3E-03
LT-C-028	8	10	1/24/2014	1.6	J	1.5E-03
LT-C-029	0	2	1/27/2014	7.5		6.8E-03
LT-C-029	2	4	1/27/2014	2.8	J	2.5E-03
LT-C-029	8	10	1/27/2014	4.5	J	4.1E-03
LT-C-030	0	2	1/27/2014	5.4	J	4.9E-03
LT-C-030	2	4	1/27/2014	2.6	J	2.4E-03
LT-C-030	8	10	1/27/2014	10.6		9.6E-03

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-C-031	0	2	1/27/2014	35.5		3.2E-02
LT-C-031	2	4	1/27/2014	75.6		6.9E-02
LT-C-031	8	10	1/27/2014	5.1	J	4.6E-03
LT-C-032	0	2	1/30/2014	17.2		1.6E-02
LT-C-032	2	4	1/30/2014	4.7	J	4.3E-03
LT-C-032	2	4	1/30/2014	9.5		8.6E-03
LT-C-032	8	10	1/30/2014	5.6		5.1E-03
LT-C-034	0	2	2/4/2014	33.8		3.1E-02
LT-C-034	4	6	2/4/2014	52.9		4.8E-02
LT-C-034	8	10	2/4/2014	3.8	J	3.5E-03
LT-C-034	8	10	2/4/2014	8.8		8.0E-03
LT-C-035	0	2	2/4/2014	76.2		6.9E-02
LT-C-035	4	6	2/4/2014	33		3.0E-02
LT-C-035	6	8	2/4/2014	36.7		3.3E-02
LT-C-036	0	2	2/4/2014	10.6		9.6E-03
LT-C-036	2	4	2/4/2014	4.4	J	4.0E-03
LT-C-036	8	10	2/4/2014	1.2	J	1.1E-03
LT-C-037	0	2	2/4/2014	4.9	J	4.5E-03
LT-C-037	4	6	2/4/2014	3.2	J	2.9E-03
LT-C-037	10	12	2/4/2014	2.7	J	2.5E-03
LT-C-038	0	2	2/4/2014	27.5		2.5E-02
LT-C-038	2	4	2/4/2014	11.6		1.1E-02
LT-C-038	8	10	2/4/2014	3.5	J	3.2E-03
LT-C-039	0	2	2/4/2014	2.3	J	2.1E-03
LT-C-039	4	6	2/4/2014	4.1	J	3.7E-03
LT-C-039	10	12	2/4/2014	7.2		6.5E-03
LT-C-040	0	2	2/5/2014	11.4		1.0E-02
LT-C-040	0	2	2/5/2014	9.5		8.6E-03
LT-C-040	2	4	2/5/2014	7.3		6.6E-03
LT-C-040	8	10	2/5/2014	3.6	J	3.3E-03
LT-C-041	0	2	2/5/2014	8.3		7.5E-03
LT-C-041	4	6	2/5/2014	5.8		5.3E-03
LT-C-041	10	12	2/5/2014	3	J	2.7E-03
LT-C-042	0	2	2/5/2014	3.9	J	3.5E-03
LT-C-042	2	4	2/5/2014	4.2	J	3.8E-03
LT-C-042	8	10	2/5/2014	12.5		1.1E-02
LT-C-043	0	2	2/5/2014	15		1.4E-02
LT-C-043	2	4	2/5/2014	15.3		1.4E-02
LT-C-043	6	8	2/5/2014	17.5		1.6E-02
LT-C-044	0	2	2/5/2014	5.8		5.3E-03

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-C-044	2	4	2/5/2014	6.2		5.6E-03
LT-C-044	6	8	2/5/2014	1.9	J	1.7E-03
LT-C-045	0	2	2/6/2014	243		2.2E-01
LT-C-045	4	6	2/6/2014	4.3	J	3.9E-03
LT-C-045	8	10	2/6/2014	5.6	J	5.1E-03
LT-C-046	0	2	2/6/2014	12.4		1.1E-02
LT-C-046	2	4	2/6/2014	14.3		1.3E-02
LT-C-046	8	10	2/6/2014	3.9	J	3.5E-03
LT-C-047	0	2	2/6/2014	105		9.5E-02
LT-C-047	2	4	2/6/2014	125		1.1E-01
LT-C-047	6	8	2/6/2014	70.5		6.4E-02
LT-C-048	0	2	2/20/2014	2.6	J	2.4E-03
LT-C-048	2	4	2/20/2014	4	J	3.6E-03
LT-C-048	6	8	2/20/2014	2.5	J	2.3E-03
LT-C-049	0	2	2/20/2014	13.2		1.2E-02
LT-C-049	2	4	2/20/2014	6.3	J	5.7E-03
LT-C-049	8	10	2/20/2014	3.9	J	3.5E-03
LT-C-050	0	2	2/7/2014	67.4		6.1E-02
LT-C-050	4	6	2/7/2014	20.6		1.9E-02
LT-C-050	8	10	2/7/2014	24.1		2.2E-02
LT-C-051	0	2	2/7/2014	19.9		1.8E-02
LT-C-051	4	6	2/7/2014	47.8		4.3E-02
LT-C-051	8	10	2/7/2014	2.3	J	2.1E-03
LT-C-052	0	2	2/18/2014	17.5		1.6E-02
LT-C-052	2	4	2/18/2014	185		1.7E-01
LT-C-053	0	2	2/21/2014	81.7		7.4E-02
LT-C-053	4	6	2/21/2014	35.4		3.2E-02
LT-C-053	6	8	2/21/2014	9.1		8.3E-03
LT-C-054	0	2	2/21/2014	23.8		2.2E-02
LT-C-054	2	4	2/21/2014	4.2	J	3.8E-03
LT-C-055	0	2	2/10/2014	17.1		1.6E-02
LT-C-055	4	6	2/10/2014	18.1		1.6E-02
LT-C-055	8	10	2/10/2014	27.2		2.5E-02
LT-C-056	0	2	2/10/2014	121		1.1E-01
LT-C-056	2	4	2/10/2014	183		1.7E-01
LT-C-056	6	8	2/10/2014	34.2		3.1E-02
LT-C-057	0	2	2/21/2014	6.2		5.6E-03
LT-C-057	2	4	2/21/2014	10		9.1E-03
LT-C-057	6	8	2/21/2014	7.1		6.5E-03
LT-C-058	0	2	2/19/2014	3.6	J	3.3E-03

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-C-058	2	4	2/19/2014	3.7	J	3.4E-03
LT-C-058	8	10	2/19/2014	2.2	J	2.0E-03
LT-C-060	0	2	2/24/2014	13.8		1.3E-02
LT-C-060	4	6	2/24/2014	4.3	J	3.9E-03
LT-C-060	8	10	2/24/2014	1.8	J	1.6E-03
LT-C-060	8	10	2/24/2014	2.3	J	2.1E-03
LT-C-061	0	2	2/25/2014	16		1.5E-02
LT-C-061	4	6	2/25/2014	4.8	J	4.4E-03
LT-C-061	10	12	2/25/2014	7.8		7.1E-03
LT-C-062	0	2	2/25/2014	2.4	J	2.2E-03
LT-C-062	2	4	2/25/2014	1.6	J	1.5E-03
LT-C-062	6	8	2/25/2014	1.3	J	1.2E-03
LT-C-063	0	2	2/25/2014	4.5	J	4.1E-03
LT-C-063	2	4	2/25/2014	2.1	J	1.9E-03
LT-C-063	6	8	2/25/2014	12.3		1.1E-02
LT-C-064	0	2	2/26/2014	6.6		6.0E-03
LT-C-064	2	4	2/26/2014	4.9	J	4.5E-03
LT-C-064	8	10	2/26/2014	4.9	J	4.5E-03
LT-C-065	0	2	2/26/2014	48.3		4.4E-02
LT-C-065	4	6	2/26/2014	36.8		3.3E-02
LT-C-065	6	8	2/26/2014	5.1	J	4.6E-03
LT-C-066	0	2	2/26/2014	23		2.1E-02
LT-C-066	4	6	2/26/2014	5.5	J	5.0E-03
LT-C-066	6	8	2/26/2014	5.6	J	5.1E-03
LT-C-067	0	2	2/26/2014	39.7		3.6E-02
LT-C-067	4	6	2/26/2014	14.5		1.3E-02
LT-C-067	6	8	2/26/2014	5.6		5.1E-03
LT-C-067	6	8	2/26/2014	7.5		6.8E-03
LT-C-068	0	2	2/26/2014	14.4		1.3E-02
LT-C-068	4	6	2/26/2014	7.5		6.8E-03
LT-C-068	8	10	2/26/2014	4.5	J	4.1E-03
LT-C-069	0	2	2/25/2014	5.4	J	4.9E-03
LT-C-069	4	6	2/25/2014	5.7		5.2E-03
LT-C-069	6	8	2/25/2014	6.2		5.6E-03
LT-C-070	0	2	2/26/2014	7.5		6.8E-03
LT-C-070	2	4	2/26/2014	4.7	J	4.3E-03
LT-C-070	8	10	2/26/2014	3.7	J	3.4E-03
LT-C-071	0	2	2/26/2014	7.9		7.2E-03
LT-C-071	2	4	2/26/2014	5.2	J	4.7E-03
LT-C-071	8	10	2/26/2014	2.4	J	2.2E-03

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-C-072	0	2	2/27/2014	5.9		5.4E-03
LT-C-072	4	6	2/27/2014	3.6	J	3.3E-03
LT-C-072	6	8	2/27/2014	4	J	3.6E-03
LT-C-073	0	2	2/27/2014	25.1		2.3E-02
LT-C-073	4	6	2/27/2014	1.8	J	1.6E-03
LT-C-073	8	10	2/27/2014	2.3	J	2.1E-03
LT-C-074	0	2	2/27/2014	4.4	J	4.0E-03
LT-C-074	2	4	2/27/2014	4.1	J	3.7E-03
LT-C-074	6	8	2/27/2014	5.7		5.2E-03
LT-C-075	0	2	3/4/2014	4.9	J	4.5E-03
LT-C-075	4	6	3/4/2014	2.8	J	2.5E-03
LT-C-075	8	10	3/4/2014	0.69	J	6.3E-04
LT-C-076	0	2	3/4/2014	5.3		4.8E-03
LT-C-076	4	6	3/4/2014	1.2	J	1.1E-03
LT-C-076	6	8	3/4/2014	3.1	J	2.8E-03
LT-C-077	0	2	9/24/2014	8.4		7.6E-03
LT-C-077	4	6	9/24/2014	3.3	J	3.0E-03
LT-C-077	4	6	9/24/2014	8.7		7.9E-03
LT-C-077	10	12	9/24/2014	2.1	J	1.9E-03
LT-C-078	0	2	9/24/2014	7.7	J	7.0E-03
LT-C-078	4	6	9/24/2014	6.8	J	6.2E-03
LT-C-078	10	12	9/24/2014	23.9		2.2E-02
LT-C-079	0	2	9/24/2014	29.5		2.7E-02
LT-C-079	4	6	9/24/2014	7.4		6.7E-03
LT-C-079	6	8	9/24/2014	11.9		1.1E-02
LT-C-080	0	2	9/24/2014	42		3.8E-02
LT-C-080	4	6	9/24/2014	10.9		9.9E-03
LT-C-080	8	10	9/24/2014	19.2		1.7E-02
LT-C-081	0	2	9/24/2014	16.5		1.5E-02
LT-C-081	4	6	9/24/2014	15.6		1.4E-02
LT-C-081	8	10	9/24/2014	18.9		1.7E-02
LT-C-082	0	2	9/24/2014	167		1.5E-01
LT-C-082	4	6	9/24/2014	21.3		1.9E-02
LT-C-082	10	12	9/24/2014	15.2		1.4E-02
LT-C-083	0	2	9/24/2014	59.8		5.4E-02
LT-C-083	4	6	9/24/2014	2.5	J	2.3E-03
LT-C-083	8	10	9/24/2014	5.5	J	5.0E-03
LT-C-083	8	10	9/24/2014	4.1	J	3.7E-03
LT-C-084	0	2	9/24/2014	11		1.0E-02
LT-C-084	4	6	9/24/2014	16.8		1.5E-02

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-C-084	10	12	9/24/2014	13.6		1.2E-02
LT-C-085	0	2	10/24/2014	5.2		4.7E-03
LT-C-085	4	6	10/24/2014	63.6		5.8E-02
LT-C-085	8	10	10/24/2014	8.2		7.5E-03
LT-C-086	0	2	10/24/2014	1.1	U	1.0E-03
LT-C-086	4	6	10/24/2014	1.8	J	1.6E-03
LT-C-086	8	10	10/24/2014	1	J	9.1E-04
LT-C-087	0	2	10/24/2014	37.3		3.4E-02
LT-C-087	4	6	10/24/2014	2.75	U	2.5E-03
LT-C-087	8	10	10/24/2014	1.4	J	1.3E-03
LT-C-088	0	2	4/3/2015	63.5		5.8E-02
LT-C-088	2	4	4/3/2015	73.1		6.6E-02
LT-C-088	4	6	4/3/2015	17.6		1.6E-02
LT-C-088	6	8	4/3/2015	221		2.0E-01
LT-C-088	8	10	4/3/2015	145		1.3E-01
LT-C-088	10	12	4/3/2015	314		2.9E-01
LT-C-088	12	14	4/3/2015	24.8		2.3E-02
LT-C-089	0	2	4/3/2015	6.3		5.7E-03
LT-C-089	2	4	4/3/2015	4.3		3.9E-03
LT-C-089	4	6	4/3/2015	6.5		5.9E-03
LT-C-089	6	8	4/3/2015	3.1		2.8E-03
LT-C-089	8	10	4/3/2015	2.6		2.4E-03
LT-C-089	10	12	4/3/2015	6.1		5.5E-03
LT-C-090			4/3/2015	7.1		6.5E-03
LT-C-090	2	4	4/3/2015	8.7		7.9E-03
LT-C-090	4	6	4/3/2015	5.2		4.7E-03
LT-C-090	6	8	4/3/2015	3		2.7E-03
LT-C-090	6	8	4/3/2015	2.7		2.5E-03
LT-C-090	8	10	4/3/2015	4.9		4.5E-03
LT-C-090	10	12	4/3/2015	3.8		3.5E-03
LT-C-090	12	14	4/3/2015	2.6		2.4E-03
LT-C-091	0	2	4/7/2015	22.7		2.1E-02
LT-C-091	2	4	4/7/2015	47.1		4.3E-02
LT-C-091	4	6	4/7/2015	19.5		1.8E-02
LT-C-091	6	8	4/7/2015	4.6		4.2E-03
LT-C-091	8	10	4/7/2015	4.1		3.7E-03
LT-C-091	10	12	4/7/2015	2.6		2.4E-03
LT-C-092	0	2	4/7/2015	9.9		9.0E-03
LT-C-092	2	4	4/7/2015	7.1		6.5E-03
LT-C-092	4	6	4/7/2015	4.9		4.5E-03

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-C-092	6	8	4/7/2015	3.7		3.4E-03
LT-C-092	8	10	4/7/2015	4.4		4.0E-03
LT-C-092	10	12	4/7/2015	2.1	J	1.9E-03
LT-C-093	0	2	4/7/2015	6		5.5E-03
LT-C-093	2	4	4/7/2015	2.7		2.5E-03
LT-C-093	4	6	4/7/2015	3.6		3.3E-03
LT-C-093	6	8	4/7/2015	3.2		2.9E-03
LT-C-093	8	10	4/7/2015	5.8		5.3E-03
LT-C-093	10	12	4/7/2015	3.4		3.1E-03
LT-C-094	0	2	4/7/2015	315		2.9E-01
LT-C-094	2	4	4/7/2015	185		1.7E-01
LT-C-094	2	4	4/7/2015	138		1.3E-01
LT-C-094	4	6	4/7/2015	1180		1.1E+00
LT-C-095	0	2	4/7/2015	919		8.4E-01
LT-C-095	2	4	4/7/2015	1210		1.1E+00
LT-C-095	4	6	4/7/2015	4.1		3.7E-03
LT-C-095	6	8	4/7/2015	9.9		9.0E-03
LT-C-096	0	2	4/7/2015	150		1.4E-01
LT-C-096	2	4	4/7/2015	286		2.6E-01
LT-C-096	4	6	4/7/2015	443		4.0E-01
LT-C-096	6	8	4/7/2015	217		2.0E-01
LT-C-096	8	10	4/7/2015	19.8		1.8E-02
LT-C-096	10	12	4/7/2015	5.7		5.2E-03
LT-G-001	0	2	1/27/2014	4	J	3.6E-03
LT-G-001	4	6	1/27/2014	1.1	J	1.0E-03
LT-G-001	10	12	1/27/2014	10.5		9.5E-03
LT-G-003	0	2	1/28/2014	11.2		1.0E-02
LT-G-003	4	6	1/28/2014	2.5	J	2.3E-03
LT-G-003	6	8	1/28/2014	8.2		7.5E-03
LT-G-004	0	2	1/28/2014	5.1	J	4.6E-03
LT-G-004	2	4	1/28/2014	9.4		8.5E-03
LT-G-004	2	4	1/28/2014	3.4	J	3.1E-03
LT-G-004	6	8	1/28/2014	8.4		7.6E-03
LT-G-005	0	2	1/28/2014	39.6		3.6E-02
LT-G-005	4	6	1/28/2014	3.1	J	2.8E-03
LT-G-005	6	8	1/28/2014	9.4		8.5E-03
LT-G-006	0	2	1/28/2014	14.3		1.3E-02
LT-G-006	4	6	1/28/2014	4.2	J	3.8E-03
LT-G-006	6	8	1/28/2014	3.2	J	2.9E-03
LT-G-007	0	2	1/28/2014	38.5		3.5E-02

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-G-007	2	4	1/28/2014	6.5		5.9E-03
LT-G-007	8	10	1/28/2014	1.7	J	1.5E-03
LT-G-008	0	2	1/28/2014	21.6		2.0E-02
LT-G-008	2	4	1/28/2014	5.8		5.3E-03
LT-G-008	6	8	1/28/2014	1.5	J	1.4E-03
LT-G-009	0	2	1/29/2014	56.9		5.2E-02
LT-G-009	4	6	1/29/2014	4	J	3.6E-03
LT-G-009	8	10	1/29/2014	2.6	J	2.4E-03
LT-G-010	0	2	1/29/2014	5.3	J	4.8E-03
LT-G-010	2	4	1/29/2014	1.6	J	1.5E-03
LT-G-010	6	8	1/29/2014	1.1	J	1.0E-03
LT-G-013	0	2	1/29/2014	7.3		6.6E-03
LT-G-013	2	4	1/29/2014	7		6.4E-03
LT-G-013	8	10	1/29/2014	7.5		6.8E-03
LT-G-014	0	2	1/29/2014	8		7.3E-03
LT-G-014	2	4	1/29/2014	3.9	J	3.5E-03
LT-G-014	2	4	1/29/2014	4.3	J	3.9E-03
LT-G-014	6	8	1/29/2014	4	J	3.6E-03
LT-G-015	0	2	1/30/2014	20.6		1.9E-02
LT-G-015	2	4	1/30/2014	7.7		7.0E-03
LT-G-015	10	12	1/30/2014	9.6		8.7E-03
LT-G-016	0	2	1/30/2014	8.3		7.5E-03
LT-G-016	2	4	1/30/2014	6		5.5E-03
LT-G-016	10	12	1/30/2014	4.9	J	4.5E-03
LT-G-017	0	2	1/30/2014	22.6		2.1E-02
LT-G-017	4	6	1/30/2014	8.7		7.9E-03
LT-G-017	6	8	1/30/2014	5.5		5.0E-03
LT-G-018	0	2	1/30/2014	23.2		2.1E-02
LT-G-018	4	6	1/30/2014	7.7		7.0E-03
LT-G-018	6	8	1/30/2014	10.6		9.6E-03
LT-G-019	0	2	2/6/2014	53.5		4.9E-02
LT-G-019	0	2	4/2/2015	49.9		4.5E-02
LT-G-019	2	4	2/6/2014	314		2.9E-01
LT-G-019	2	4	4/2/2015	4.6		4.2E-03
LT-G-019	4	6	4/2/2015	17.3		1.6E-02
LT-G-019	6	8	4/2/2015	10.9		9.9E-03
LT-G-019	8	10	2/6/2014	30.9		2.8E-02
LT-G-020	0	2	2/6/2014	26.3		2.4E-02
LT-G-020	4	6	2/6/2014	31.9		2.9E-02
LT-G-020	10	12	2/6/2014	6.6		6.0E-03

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-G-021	0	2	2/7/2014	15.3		1.4E-02
LT-G-021	4	6	2/7/2014	5.5		5.0E-03
LT-G-021	4	6	2/7/2014	7.5		6.8E-03
LT-G-021	6	8	2/7/2014	5.2	J	4.7E-03
LT-G-022	0	2	2/7/2014	885		8.0E-01
LT-G-022	0	2	1/14/2015	285		2.6E-01
LT-G-022	0	2	4/2/2015	16.7		1.5E-02
LT-G-022	2	4	2/7/2014	13.4		1.2E-02
LT-G-022	2	4	4/2/2015	2.4		2.2E-03
LT-G-022	4	6	4/2/2015	2.1		1.9E-03
LT-G-022	6	8	4/2/2015	1.1	J	1.0E-03
LT-G-022	8	10	2/7/2014	1	J	9.1E-04
LT-G-023	0	2	2/6/2014	129		1.2E-01
LT-G-023	2	4	2/6/2014	12.9		1.2E-02
LT-G-023	6	8	2/6/2014	95.5		8.7E-02
LT-G-023	6	8	2/6/2014	80.2		7.3E-02
LT-G-024	0	2	2/7/2014	2.2	J	2.0E-03
LT-G-024	2	4	2/7/2014	0.92	J	8.4E-04
LT-G-024	8	10	2/7/2014	0.55	J	5.0E-04
LT-G-025	0	2	2/7/2014	162		1.5E-01
LT-G-025	2	4	2/7/2014	164		1.5E-01
LT-G-025	6	8	2/7/2014	3.4	J	3.1E-03
LT-G-026	0	2	2/21/2014	35.5		3.2E-02
LT-G-026	4	6	2/21/2014	4.7	J	4.3E-03
LT-G-026	6	8	2/21/2014	4.7	J	4.3E-03
LT-G-027	0	2	2/21/2014	65.7		6.0E-02
LT-G-027	2	4	2/21/2014	8.7		7.9E-03
LT-G-027	8	10	2/21/2014	7.8		7.1E-03
LT-G-028	0	2	2/24/2014	14.2		1.3E-02
LT-G-028	4	6	2/24/2014	8.3		7.5E-03
LT-G-028	8	10	2/24/2014	11.4		1.0E-02
LT-G-029	0	2	2/24/2014	6.7		6.1E-03
LT-G-029	2	4	2/24/2014	7.8		7.1E-03
LT-G-029	8	10	2/24/2014	1.7	J	1.5E-03
LT-G-030	0	2	2/24/2014	5.7		5.2E-03
LT-G-030	4	6	2/24/2014	3.9	J	3.5E-03
LT-G-030	4	6	2/24/2014	3.4	J	3.1E-03
LT-G-030	6	8	2/24/2014	2.7	J	2.5E-03
LT-G-031	0	2	2/24/2014	7.2		6.5E-03
LT-G-031	4	6	2/24/2014	1.7	J	1.5E-03

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-G-031	6	8	2/24/2014	2	J	1.8E-03
LT-G-032	0	2	2/24/2014	5.5	J	5.0E-03
LT-G-032	4	6	2/24/2014	6		5.5E-03
LT-G-032	6	8	2/24/2014	15.5		1.4E-02
LT-G-033	0	2	2/24/2014	5.6	J	5.1E-03
LT-G-033	2	4	2/24/2014	4.2	J	3.8E-03
LT-G-033	6	8	2/24/2014	4.7	J	4.3E-03
LT-G-034	0	2	2/24/2014	4.5	J	4.1E-03
LT-G-034	2	4	2/24/2014	4.6	J	4.2E-03
LT-G-034	6	8	2/24/2014	5.5	J	5.0E-03
LT-G-035	0	2	2/24/2014	7.5		6.8E-03
LT-G-035	2	4	2/24/2014	9		8.2E-03
LT-G-035	6	8	2/24/2014	5.6	J	5.1E-03
LT-G-036	0	2	2/25/2014	22.4		2.0E-02
LT-G-036	2	4	2/25/2014	18		1.6E-02
LT-G-036	2	4	2/25/2014	37.7		3.4E-02
LT-G-036	6	8	2/25/2014	7.4		6.7E-03
LT-G-037	0	2	2/25/2014	10.1		9.2E-03
LT-G-037	2	4	2/25/2014	5.9		5.4E-03
LT-G-037	6	8	2/25/2014	13.2		1.2E-02
LT-GI-001	0	2	1/30/2014	7.9		7.2E-03
LT-GI-001	4	6	1/14/2015	341		3.1E-01
LT-GI-001	4	6	1/30/2014	893		8.1E-01
LT-GI-002	0	2	1/30/2014	112		1.0E-01
LT-GI-002	2	4	1/30/2014	70.2		6.4E-02
LT-GI-003	0	2	2/10/2014	173		1.6E-01
LT-GI-004	0	2	2/10/2014	112		1.0E-01
LT-GI-005	0	2	2/10/2014	19		1.7E-02
LT-GI-005	2	4	2/10/2014	15.9		1.4E-02
LT-R-001	0	5	1/31/2014	20.1		1.8E-02
LT-R-001	5	10	1/31/2014	11.2		1.0E-02
LT-R-002	0	5	1/31/2014	76.4		6.9E-02
LT-R-002	5	10	1/31/2014	9.8		8.9E-03
LT-R-003	0	5	1/31/2014	22.5		2.0E-02
LT-R-003	5	10	1/31/2014	15.7		1.4E-02
LT-T-001	0	2	2/28/2014	242		2.2E-01
LT-T-001	8	10	2/28/2014	15.9		1.4E-02
LT-T-001	10	12	2/28/2014	11.4		1.0E-02
LT-T-002	0	2	2/28/2014	73.1		6.6E-02
LT-T-002	2	4	2/28/2014	106		9.6E-02

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-T-002	12	14	2/28/2014	4.3	J	3.9E-03
LT-T-002	12	14	2/28/2014	7		6.4E-03
LT-T-003	0	2	2/28/2014	50.1		4.6E-02
LT-T-003	6	8	2/28/2014	11.7		1.1E-02
LT-T-003	10	12	2/28/2014	3.9	J	3.5E-03
LT-T-004	0	2	2/28/2014	91.4		8.3E-02
LT-T-004	4	6	2/28/2014	339		3.1E-01
LT-T-004	10	12	2/28/2014	29.7		2.7E-02
LT-T-005	0	2	2/28/2014	65.7		6.0E-02
LT-T-005	4	6	2/28/2014	11.9		1.1E-02
LT-T-005	16	19	2/28/2014	8.2		7.5E-03
LT-T-006	0	2	2/28/2014	14.7		1.3E-02
LT-T-006	4	6	2/28/2014	34.2		3.1E-02
LT-T-006	12	14	2/28/2014	5	J	4.5E-03
LT-T-007	0	2	2/28/2014	22		2.0E-02
LT-T-007	6	8	2/28/2014	9.8		8.9E-03
LT-T-007	14	16	2/28/2014	40.7		3.7E-02
LT-T-008	0	2	2/28/2014	60.7		5.5E-02
LT-T-008	6	8	2/28/2014	9.2		8.4E-03
LT-T-008	6	8	2/28/2014	3.7	J	3.4E-03
LT-T-008	14	16	2/28/2014	52		4.7E-02
LT-T-009	0	2	2/28/2014	35		3.2E-02
LT-T-009	4	6	2/28/2014	18.2		1.7E-02
LT-T-009	12	14	2/28/2014	1.8	J	1.6E-03
LT-T-010	0	2	2/28/2014	42		3.8E-02
LT-T-010	2	4	2/28/2014	20.3		1.8E-02
LT-T-010	7	8.5	2/28/2014	12.7		1.2E-02
LT-T-011	0	2	2/28/2014	76.4		6.9E-02
LT-T-011	0	2	4/2/2015	61.2		5.6E-02
LT-T-011	2	4	2/28/2014	252		2.3E-01
LT-T-011	2	4	4/2/2015	71.1		6.5E-02
LT-T-011	4	6	4/2/2015	24.3		2.2E-02
LT-T-011	6	8	4/2/2015	27.2		2.5E-02
LT-T-011	6.5	8	2/28/2014	21.9		2.0E-02
LT-T-011	8	10	4/2/2015	37.1		3.4E-02
LT-T-012	0	2	2/28/2014	26		2.4E-02
LT-T-012	0	2	4/2/2015	40		3.6E-02
LT-T-012	2	4	2/28/2014	24.7		2.2E-02
LT-T-012	2	4	4/2/2015	22.6		2.1E-02
LT-T-012	4	6	2/28/2014	129		1.2E-01

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-T-012	4	6	4/2/2015	2.3		2.1E-03
LT-T-012	6	8	4/2/2015	138		1.3E-01
LT-X-001	0	2	1/16/2014	70.1		6.4E-02
LT-X-001	2	4	1/16/2014	19		1.7E-02
LT-X-001	8	10	1/16/2014	1.7	J	1.5E-03
LT-X-002			1/16/2014	3.8	J	3.5E-03
LT-X-002	0	2	1/16/2014	5.9	J	5.4E-03
LT-X-002	2	4	1/16/2014	5.3	J	4.8E-03
LT-X-002	8	10	1/16/2014	4.9	J	4.5E-03
LT-X-003	0	2	1/16/2014	10.3		9.4E-03
LT-X-003	4	6	1/16/2014	4.5	J	4.1E-03
LT-X-003	8	10	1/16/2014	3.4	J	3.1E-03
LT-X-004	0	2	1/17/2014	36.3		3.3E-02
LT-X-004	2	4	1/17/2014	6.3		5.7E-03
LT-X-004	10	12	1/17/2014	1.5	J	1.4E-03
LT-X-005	0	2	1/17/2014	120		1.1E-01
LT-X-005	2	4	1/17/2014	16.8		1.5E-02
LT-X-005	6	8	1/17/2014	6.5		5.9E-03
LT-X-006	0	2	1/17/2014	105		9.5E-02
LT-X-006	2	4	1/17/2014	22.1		2.0E-02
LT-X-006	6	8	1/17/2014	9.6		8.7E-03
LT-X-007	0	2	1/17/2014	25.9		2.4E-02
LT-X-007	4	6	1/17/2014	2.6	J	2.4E-03
LT-X-007	8	10	1/17/2014	3.6	J	3.3E-03
LT-X-008	0	2	1/27/2014	21.1		1.9E-02
LT-X-008	2	4	1/27/2014	25.4		2.3E-02
LT-X-008	8	10	1/27/2014	8.1		7.4E-03
LT-X-008	8	10	1/27/2014	7		6.4E-03
LT-X-009	0	2	1/27/2014	10.6		9.6E-03
LT-X-009	4	6	1/27/2014	3.9	J	3.5E-03
LT-X-009	8	10	1/27/2014	8.2		7.5E-03
LT-XC-001	0	2	1/13/2014	8.1		7.4E-03
LT-XC-001	2	4	1/13/2014	4.1	J	3.7E-03
LT-XC-001	10	12	1/13/2014	3.3	J	3.0E-03
LT-XC-002	0	2	1/13/2014	2.3	J	2.1E-03
LT-XC-002	0	2	1/13/2014	3.3	J	3.0E-03
LT-XC-002	2	4	1/13/2014	3.2	J	2.9E-03
LT-XC-002	4	8	1/13/2014	1.7	J	1.5E-03
LT-XC-003	0	2	1/13/2014	2.2	J	2.0E-03
LT-XC-003	2	4	1/13/2014	0.86	J	7.8E-04

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-XC-003	6	8	1/13/2014	0.87	J	7.9E-04
LT-XC-004	0	2	1/13/2014	12.7		1.2E-02
LT-XC-004	2	4	1/13/2014	9.6		8.7E-03
LT-XC-004	8	10	1/13/2014	12		1.1E-02
LT-XC-005	0	2	1/23/2014	7.8		7.1E-03
LT-XC-005	2	4	1/23/2014	7.8		7.1E-03
LT-XC-005	8	10	1/23/2014	5	J	4.5E-03
LT-XC-006	0	2	1/23/2014	14.6		1.3E-02
LT-XC-006	4	6	1/23/2014	4.2	J	3.8E-03
LT-XC-006	6	8	1/23/2014	2.7	J	2.5E-03
LT-XC-007	0	2	1/23/2014	6.1		5.5E-03
LT-XC-007	2	4	1/23/2014	4.4	J	4.0E-03
LT-XC-007	6	8	1/23/2014	6.2		5.6E-03
LT-XC-007	6	8	1/23/2014	4.5	J	4.1E-03
LT-XC-008	0	2	1/23/2014	27.4		2.5E-02
LT-XC-008	4	6	1/23/2014	2.1	J	1.9E-03
LT-XC-008	8	10	1/23/2014	1.4	J	1.3E-03
LT-XC-009	0	2	1/23/2014	14.1		1.3E-02
LT-XC-009	4	6	1/23/2014	3.4	J	3.1E-03
LT-XC-009	8	10	1/23/2014	2.3	J	2.1E-03
LT-XC-010	0	2	1/24/2014	6.1		5.5E-03
LT-XC-010	2	4	1/24/2014	8.4		7.6E-03
LT-XC-010	8	10	1/24/2014	2.4	J	2.2E-03
LT-XC-011	0	2	1/24/2014	6.3		5.7E-03
LT-XC-011	2	4	1/24/2014	23		2.1E-02
LT-XC-011	8	10	1/24/2014	7.6		6.9E-03
LT-XC-012	0	2	1/24/2014	8		7.3E-03
LT-XC-012	2	4	1/24/2014	4.1	J	3.7E-03
LT-XC-012	8	10	1/24/2014	2.1	J	1.9E-03
LT-XC-013	0	2	2/6/2014	5.2		4.7E-03
LT-XC-013	2	4	2/6/2014	3.7	J	3.4E-03
LT-XC-013	6	8	2/6/2014	1.5	J	1.4E-03
LT-XC-014	0	2	2/6/2014	52.9		4.8E-02
LT-XC-014	2	4	2/6/2014	23.2		2.1E-02
LT-XC-014	6	8	2/6/2014	43		3.9E-02
LT-XC-015	0	2	2/7/2014	41.5		3.8E-02
LT-XC-015	4	6	2/7/2014	42.2		3.8E-02
LT-XC-015	8	10	2/7/2014	36.6		3.3E-02
LT-XC-016	0	2	2/7/2014	66.4		6.0E-02
LT-XC-016	2	4	2/7/2014	106		9.6E-02

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
LT-XC-016	8	10	2/7/2014	131		1.2E-01
LT-XC-017	0	2	2/10/2014	26		2.4E-02
LT-XC-017	4	6	2/10/2014	2.8	J	2.5E-03
LT-XC-017	8	10	2/10/2014	9	J	8.2E-03
LT-XC-018	0	2	2/10/2014	18.1		1.6E-02
LT-XC-019	0	2	2/18/2014	61.9		5.6E-02
LT-XC-019	2	4	2/18/2014	53.8		4.9E-02
LT-XC-019	8	10	2/18/2014	58		5.3E-02
LT-XC-020	0	2	2/20/2014	19.5		1.8E-02
LT-XC-020	4	6	2/20/2014	3.3	J	3.0E-03
LT-XC-020	6	8	2/20/2014	3.1	J	2.8E-03
LT-XC-021	0	2	2/18/2014	171		1.6E-01
LT-XC-021	4	6	2/18/2014	32.9		3.0E-02
LT-XC-022	0	2	2/18/2014	50.9		4.6E-02
LT-XC-022	2	4	2/18/2014	13.4		1.2E-02
LT-XC-022	2	4	2/18/2014	15.1		1.4E-02
LT-XC-023	0	2	2/19/2014	43.7		4.0E-02
LT-XC-023	4	6	2/19/2014	56.3		5.1E-02
LT-XC-023	8	10	2/19/2014	14		1.3E-02
LT-XC-024	0	2	2/19/2014	69.4		6.3E-02
LT-XC-024	4	6	2/19/2014	13.7		1.2E-02
LT-XC-024	8	10	2/19/2014	17.8		1.6E-02
LT-XC-025	0	2	2/27/2014	119		1.1E-01
LT-XC-025	4	6	2/27/2014	56.7		5.2E-02
LT-XC-025	6	8	2/27/2014	31.2		2.8E-02
LT-XC-025	6	8	2/27/2014	25.6		2.3E-02
PA3_A	0	2	4/2/2015	45.6		4.1E-02
PA3_A	2	4	4/2/2015	54.7		5.0E-02
PA3_A	4	6	4/2/2015	34.1		3.1E-02
PA3_A	6	8	4/2/2015	513		4.7E-01
PLC1_A	0	2	4/2/2015	325		3.0E-01
PLC1_A	2	4	4/2/2015	249		2.3E-01
PLC1_A	2	4	4/2/2015	1150		1.0E+00
PLC1_A	4	6	4/2/2015	619		5.6E-01
PLC1_A	6	8	4/2/2015	7		6.4E-03
PLC1_A	8	10	4/2/2015	2.7		2.5E-03
PLC2_A	0	2	4/2/2015	637		5.8E-01
PLC2_A	2	4	4/2/2015	199		1.8E-01
PLC2_A	4	6	4/2/2015	30		2.7E-02
PLC2_A	4	6	4/2/2015	59.2		5.4E-02

**Table C.1 Comparison of Lead Concentrations in Soil
to Soil MTGW Screening Level**
Glen Cove Waterfront Redevelopment Project; Glen Cove, NY

Sampling Location	Top Depth (ft)	Bottom Depth (ft)	Sample Date	Conc (mg/kg)	Qualifier	Ratio of Conc to MTGW SSL
PLC2_A	6	8	4/2/2015	36.9		3.4E-02
PLC5_A	0	2	4/3/2015	112		1.0E-01
PLC5_A	2	4	4/3/2015	59.9		5.4E-02
PLC5_A	4	6	4/3/2015	24.1		2.2E-02
PLC5_A	6	8	4/3/2015	44.7		4.1E-02
PLC5_A	8	10	4/3/2015	4.9		4.5E-03
SBFT-1_A	0	2	4/1/2015	69.5		6.3E-02
SBFT-1_A	2	4	4/1/2015	68.3		6.2E-02
SBFT-1_A	4	6	4/1/2015	68.7		6.2E-02
SBFT-1_A	6	8	4/1/2015	145		1.3E-01
SBFT-1_A	8	10	4/1/2015	23.2		2.1E-02
Notes:						
Migration to groundwater soil screening level (MtGW SSL) = 1100 mg/kg.						
Ratios of concentration to MTGW SSL above 1 are grey-shaded.						
Only samples from above the water table are included.						
Qualifiers:						
U - Nondetect, concentration assumed to equal 1/2 the detection limit.						
J - Estimated concentration.						

ATTACHMENT D
GROUNDWATER SAMPLING RESULTS

